



IN THE CLAIMS

Claims 1 through 21: **Cancelled**

~~20.~~ 22. (Currently Amended) A building construction for protection from radiation, said construction comprising at least one building components having a layered sandwich configuration wherein at least one layer of gypsum antiradiation material is between opposite layers of concrete.

~~21.~~ 23. (Currently Amended) The building construction of claim ~~20~~ 22, wherein said gypsum antiradiation material comprises water bound thereto.

~~22.~~ 24. (Currently Amended) The building construction of claim ~~21~~ 23, wherein said gypsum antiradiation material comprises natural, unfired calcium sulfate dihydrate.

~~23.~~ 25. (Currently Amended) The building construction of claim ~~20~~ 22, wherein said gypsum antiradiation material comprises panels deposited in a space between said concrete layers.

~~24.~~ 26. (Currently Amended) The building construction of claim ~~23~~ 25, wherein said gypsum panels are free-standing in said space.

~~25.~~ 27. (Currently Amended) The building construction of claim ~~23~~ 25, wherein said gypsum panels are permanently set in said space.

~~26.~~ 28. (Currently Amended) The building construction of claim ~~20~~ 22, wherein said gypsum antiradiation material comprises granulated gypsum particles poured into a space between said concrete layers.

~~27.~~ 29. (Currently Amended) The building construction of claim ~~26~~ 28, wherein said gypsum particles have a particle size of about 40 mm or smaller.

~~28.~~ 30. (Currently Amended) The building construction of claim ~~20~~ 22, wherein said gypsum antiradiation material is compressed into a space between said concrete layers.

~~29.~~ 31. (Currently Amended) The building construction of claim ~~20~~ 22, further comprising at least one additive selected from the group of gibbsite, hydragilite, aluminum hydrate, and magnesium added to said gypsum antiradiation material.

~~30.~~ 32. (Currently Amended) The building construction of claim ~~20~~ 22, further comprising at least one construction component comprising an antiradiation material poured and compressed between a pit sheet wall and a concrete layer.

~~34.~~ 33. (Currently Amended) The building construction of claim ~~20~~ 22, wherein at least one of said concrete layers comprises a double-wall structure.

~~32.~~ 34. (Currently Amended) The building construction of claim ~~34~~ 33, wherein said double-wall structure is filled with poured concrete.

~~33.~~ 35. (Currently Amended) The building construction of claim ~~32~~ 34, wherein said poured concrete further comprises an antiradiation additive.

~~34.~~ 36. (Currently Amended) The building construction of claim ~~20~~ 22, wherein each of said concrete layers comprise a double-wall structure, said gypsum antiradiation material disposed between said double-wall structures.

~~35.~~ 37. (Currently Amended) The building construction of claim ~~34~~ 36, wherein each of said double-wall structures comprises wall segments connected together with tie rods extending between said wall segments.

~~36.~~ 38. (Currently Amended) The building construction of claim ~~34~~ 36, wherein each of said double-wall structures comprises prefabricated concrete panels connected together with lattice girders.

~~37.~~ 39. (Currently Amended) The building construction of claim ~~36~~ 38, wherein said lattice girders are formed of a corrosion resistant steel.

~~38.~~ 40. (Currently Amended) The building construction of claim ~~20~~ 22, further comprising a layer of antiradiation material beneath said building construction that has sufficient structural integrity for supporting said building construction.